

Enhanced Position Location Reporting System (EPLRS)

PROJECT MANAGER TACTICAL RADIO COMMUNICATIONS SYSTEMS



"C3I System Architect for the Digitized Army"
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MISSION

Provide automated, secure, near-real-time radio communications systems to tactical commanders and their staffs; provide data distribution capability between computers as well as position, location and navigation reporting of their combat elements in support of tactical operations.

DESCRIPTION AND SPECIFICATIONS

The **Enhanced Position Location Reporting System (EPLRS)** provides data distribution and position/navigation services in near real time for the warfighter at brigade and below level, in support of Battlefield Functional Area hosts and the



EPLRS

Force XXI Battle Command Brigade and Below (FBCB2) program. EPLRS consists of a Network Control Station and EPLRS User Units (EPUUs) that can be configured as a Manpack Unit, a Surface Vehicle Unit, and an Airborne Vehicle Unit. EPLRS uses time-division, multiple-access communications architecture to avoid transmission contention along with frequency hopping, error detection, and correction with interleaving. It also uses spread spectrum technology to provide jamming resistance.

FOREIGN COUNTERPART

No known foreign counterpart.

FOREIGN MILITARY SALES

None.

PROGRAM STATUS

Option contract was awarded in FY98, procuring the remainder of the Army's previous AAO (5015); EPLRS Army Acquisition Objective (AAO) was increased to 8,157 in FY98; currently reviewing options to procure the remaining EPLRS by FY04; successfully supported the Division Advanced Warfighting Experiment (AWE) in November 1997 and FBCB2 limited user test (LUT) in August 1998.

PROJECTED ACTIVITIES

Congressional plus-up in FY99 will procure additional EPLRS radios to support the Army's goal to digitize the battlefield and meet the current AAO (8,157). Planned fielding of the FDD is March 1999-April 2000. EPLRS will participate in the FBCB2 FDTE/ IOTE.

PRIME CONTRACTOR

Raytheon Systems Company (Fullerton, CA; Forest, MS; Fort Wayne, IN).

POINTS OF CONTACT



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